

Presentations and publications by ELSA fellows up to 1 Jan 2009

This document lists the presentations and publications by ELSA fellows up to 1 Jan 2009 under the following categories:

- Oral presentations by fellows (41 items)
- Poster presentations by fellows (16 items)
- Publications (refereed journal papers) (co-)authored by fellows (12 items)
- Publications (conference proceedings) (co-)authored by fellows (5 items)
- Publications (DPAC technical notes) (co-)authored by fellows (10 items)

Oral presentations

- 'Flower satellite constellations', **D.Oszkiewicz**, PRS group Seminar, Helsinki, FI, 14 Sep 2007
- 'Flower satellite constellations', E.Wnuk, **D.Oszkiewicz**, Polish national celestial mechanics seminar, Ciechocinek, PL, 26-28 Sep 2007
- 'Status of DU456 code', **D.Oszkiewicz**, K.Muinonen, DPAC CU4-04, Paris, FR, 12-13 Nov 2007
- 'Simulation of Radiation Damage Effects for the Gaia Mission', **M. Weiler**, DLR Institute for Planetary Research, Berlin, DE, 28 Jan 2008
- 'AGISLab – Investigating the Astrometric Global Iterative Solution', **B. Holl**, Gaia For All national meeting, Lund, SE, 5 Feb 2008
- 'Theoretical & Empirical Modelling of CTI', **T. Prod'homme**, DPAC RTF, Cambridge, UK, 14 Apr 2008
- 'Reference synthetic stellar libraries for Gaia', **T. Saguner**, Padova, April 2008
- 'Automated classification of stellar spectra and initial results to RAVE data', **P. Re Fiorentin**, RAVE Collaboration meeting, Baltimore, USA, 9 May 2008
- Progress report, **M.Belcheva**, DPAC CU2, Lisbon, PT, 13-15 May 2008
- 'Status of the Work on Radiation Damage', **M. Weiler**, DPAC CU2, Lisbon, PT, 15 May 2008
- 'Status of DU456', **D.Oszkiewicz**, K.Muinonen, DPAC CU4-05, Liège, BE, 15 - 16 May 2008
- 'Finnish Fireball Network', **D. Oszkiewicz**, PRS group Seminar, Helsinki, FI, 25 May 2008
- 'Radiation damage effects in Gaia', **B. Holl**, PhD Day, Lund, SE, 3 Jun 2008
- 'Theoretical and Empirical Modelling of CTI', **T. Prod'homme**, ASTRON, Dwingeloo, 5 Jun 2008
- 'Gaia - the Heir of Hipparcos', **M.Belcheva**, Summer School, Beli Brezi, BG, 24 Jul-7 Aug 2008
- 'Progress report, improved stellar parametrization from SEGUE spectra', **P. Re Fiorentin**, SEGUE Collaboration meeting, Chicago, USA, 19 Aug 2008
- 'Classification for Galactic Surveys using machine learning algorithms', **P. Re Fiorentin**, OATo seminar, Torino, IT, 29 Aug 2008
- 'Number density of objects in the Magellanic Clouds for Gaia', **M.Belcheva**, ELSA Workshop, Barcelona, ES, 1-5 Sep 2008
- 'AGISLab', **B. Holl**, ELSA Workshop, Barcelona, ES, 1 Sep 2008
- 'Number density of objects in the Magellanic Clouds for Gaia', **M. Belcheva**, ELSA Workshop, Barcelona, ES, 1 Sep 2008
- 'Theoretical and Empirical Modelling of Charge Transfer', **T. Prod'homme**, ELSA Workshop, Barcelona, ES, 1 Sep 2008
- 'Population synthesis for Gaia', **T. Saguner**, ELSA Workshop, Barcelona, ES, 1 Sep 2008
- 'Simulation of CTI effects with GIBIS', **M. Weiler**, ELSA Workshop, Barcelona, ES, 1 Sep 2008

- 'Asteroids' shape modeling applying the triangular mesh generator technique', **M. Czekaj**, ELSA Workshop, Barcelona, ES, 1 Sep 2008
- 'Markov-Chain Monte Carlo methods for asteroid orbit computation', **D. Oszkiewicz**, ELSA Workshop, Barcelona, ES, 2 Sep 2008
- 'Modelling physical effects in Gaia attitude', **D. Risquez**, ELSA Workshop, Barcelona, ES, 2 Sep 2008
- 'Astrometry of long-period variables and supergiants', **E. Pasquato**, ELSA Workshop, Barcelona, ES, 2 Sep 2008
- 'Study of short period variable detection', **M. Váradi**, ELSA Workshop, Barcelona, ES, 2 Sep 2008
- 'Data reduction algorithms for space astrometry', **A. Bombrun**, ELSA Workshop, Barcelona, ES, 2 Sep 2008
- 'Classification and astrophysical parameter estimation for Galactic Surveys using machine learning algorithms', **P. Re Fiorentin**, ELSA Workshop, Barcelona, ES, 2 Sep 2008
- 'Gaia Sphere Reconstruction (GSR1)', **U. Abbas**, ELSA Workshop, Barcelona, ES, 2 Sep 2008
- 'Comet Science with Gaia', **M. Weiler**, Observatoire de Paris-Meudon, Paris, FR, 11 Sep 2008
- 'New features of CEMGA', **T. Prod'homme**, DPAC RTF, Cambridge, UK, 6 Oct 2008
- 'Evolution in the Halo Occupation Distribution (HOD)', **U. Abbas**, VVDS meeting, Bologna, IT, 9 Oct 2008
- 'Markov-Chain Monte-Carlo methods for asteroid orbit computation', **D. Oszkiewicz**, K. Muinonen, PRS group Seminar, Helsinki, FI, 13 Oct 2008
- **Re Fiorentin**, Conference 'Classification and Discovery in Large Astronomical Surveys', Ringberg, DE, 14 Oct 2008
- 'CTI Simulations for GIBIS', **M. Weiler**, Besancon, FR, 23-24 Oct 2008
- 'The Clustering in Large Scale Galaxy Surveys: A phenomenological approach', **U. Abbas**, Astronomical Seminar, Lund, SE, 23 Oct 2008
- **Re Fiorentin**, FMF seminar, Ljubljana, SI, 10 Nov 2008
- 'HOD modeling', **U. Abbas**, VIPERS meeting, Cernobbio, IT, 28 Oct 2008 'Comet Simulations for Gaia', **M. Weiler**, Beaulieu-sur-Mer, FR, 27-28 Oct 2008
- 'CTI Simulations with GIBIS', **M. Weiler**, Paris, FR, 26-27 Nov 2008

Poster presentations

- 'Gaia and the Astrometric Global Iterative Solution', D. Hobbs, L. Lindegren, **B. Holl**, U. Lammers, W. O'Mullane, Swedish Astronomers' Days, Kiruna, SE, 21-23 Sep 2007
- 'Gaia and the Astrometric Global Iterative Solution', D. Hobbs, L. Lindegren, **B. Holl**, U. Lammers, W. O'Mullane, IAU Symp. No. 248, A Giant Step: From Milli- to Micro-Arcsecond Astrometry, Shanghai, China, 15-19 Oct 2007
- 'Spatial distribution of stellar populations for galaxies resolved in stars by Gaia', **M. Belcheva**, et al., ELSA School, Leiden, NL, 19-28 Nov 2007
- 'Asteroid orbits from Markov-Chain Monte-Carlo ranging', **D. Oszkiewicz**, et al., ELSA School, Leiden, NL, 19-28 Nov 2007
- 'Interpretation of the state-of-the-art real stellar spectra in preparation for the Gaia mission', **P. Re Fiorentin**, ELSA School, Leiden, NL, 19-28 Nov 2007
- 'Asteroid orbits from Markov-Chain Monte-Carlo ranging', **D. Oszkiewicz** et al., Espoo, FI, 4-5 Oct 2007
- 'Gaia mission preparations in the Netherlands', **T. Prod'homme**, Dutch Astronomer's Conference, Dalfsen, NL, 7-9 May 2008
- 'Halo substructures traced by BHB and RR Lyrae in SDSS', **P. Re Fiorentin**, Conference 'Galactic Structure and the Structure of Galaxies', Ensenada, Mexico, 17-21 Mar 2008
- 'Spatial distribution of stellar populations for galaxies resolved in stars by Gaia', **M. Belcheva**, et al., Faculty of Physics, Athens, GR, 26-27 May 2008

- 'Toward constraints on galaxy formation scenarios: stellar properties from Galactic surveys', **P. Re Fiorentin**, IAU Symposium 254, Copenhagen, DK, 9-13 Jun 2008
- 'Simulating Charge Transfer Inefficiency Effects on Future Gaia Data', **M. Weiler**, C.. Babusiaux, Sf2A 2008, Paris, FR, 30 Jun-4 Jul 2008
- 'Markov-Chain Monte-Carlo methods for asteroid orbit computation' **D. Oszkiewicz** et al., ACM 2008, Baltimore, USA, 14-18 July 2008
- 'Optical Spectroscopy of the B and C Fragments of Comet 73P/Schwassmann-Wachmann 3 at ESO VLT', E. Jehin, ... **M. Weiler**, et al., ACM 2008, Baltimore, USA, 14-18 Jul 2008
- 'Markov-Chain Monte-Carlo inversion of asteroid photometric lightcurves', K. Muinonen, **D. Oszkiewicz**, ACM 2008, Baltimore, USA, 14-18 July 2008
- 'A Multi-Wavelength Simultaneous Study of the Composition of the Halley-Family Comet 8P/Tuttle at the VLT', D. Bockelee-Morvan, ... **M. Weiler**, et al., ACM 2008, Baltimore, USA, 14-18 Jul 2008
- 'SAMOSA - A Sample Return Mission to a Main-Belt Come't, F. Bexkens, ... **M. Weiler**, et al., IAC, Glasgow, UK, 29 Sep-3 Oct 2008

Publications (refereed journal papers) (co-)authored by fellows

- D. Carollo, ..., **P. Re Fiorentin**, et al., 2007, 'Two stellar components in the halo of the Milky Way', *Nature* 450, 1020
- T. Zwitter, ..., **P. Re Fiorentin**, et al., 2008, 'The Radial Velocity Experiment (rave): Second Data Release', *AJ* 136, 421
- Z. Ivezić, ..., **P. Re Fiorentin**, et al., 2008, 'The Milky Way Tomography with SDSS: II. Stellar Metallicity', *ApJ* 684, 287
- X. Xue, ..., **P. Re Fiorentin**, et al., 2008, 'The Milky Way's Circular Velocity Curve to 60 kpc and an Estimate of the Dark Matter Halo Mass from the Kinematics of ~2400 SDSS Blue Horizontal-Branch Stars', *ApJ* 684, 1143
- J. Jurcsik, ..., **M. Váradi**, et al., 2008, 'Multicolour CCD photometry of Three Rrab Stars', *Information Bulletin on Variable Stars*, 5844, 1
- I. Dékány, ..., **M. Váradi**, et al., 2008, 'Pulsational and evolutionary analysis of the double-mode RR Lyrae star BSCom', *MNRAS* 386, 521
- Y.S. Lee, ..., **P. Re Fiorentin**, et al., 2008, 'The SEGUE Stellar Parameter Pipeline. I. Description and Comparison of Individual Methods', *AJ* 136, 2022
- Y.S. Lee, ..., **P. Re Fiorentin**, et al., 2008, 'The SEGUE Stellar Parameter Pipeline. II. Validation with Galactic Globular and Open Clusters', *AJ* 136, 2050
- C. Allende Prieto, ..., **P. Re Fiorentin**, et al., 2008, 'The SEGUE Stellar Parameter Pipeline. III. Comparison with High-Resolution Spectroscopy of SDSS/SEGUE Field Stars', *AJ* 136, 2070
- B. Yanny, ..., **P. Re Fiorentin**, et al., 2008, 'SEGUE: A Spectroscopic Survey of 240,000 stars with $g=14-20$ ', *AJ* (submitted)
- I. Goniadakis, E. Livanou, E. Kontizas, U. Klein, M. Kontizas, **M. Belcheva**, P. Tsalmantza, and A. Karamelas, 2008, 'Structure of the SMC Stellar component distribution from 2MASS data', *A&A* (accepted), arXiv:0812.0880
- **A. Bombrun**, L. Lindegren, **B. Holl**, 2008, 'Sparseness structure of the Gaia astrometric least-square problem and the (non)feasibility of a direct solution method' (draft paper for *A&A*)

Publications (conference proceedings) (co-)authored by fellows

- D. Hobbs, L. Lindegren, **B. Holl**, U. Lammers, W. O'Mullane, 2008, 'Gaia and the Astrometric Global Iterative Solution', *Proc. IAU Symp.* 248, p. 268
- **P. Re Fiorentin**, ..., T. Zwitter, et al., 2008, 'Toward constraints on galaxy formation scenarios: stellar properties from Galactic surveys', *Proc. IAU Symp.* 254, in press

- **P. Re Fiorentin**, ..., T. Zwitter, et al., 2008, 'On Spectral Classification and Astrophysical Parameter Estimation for Galactic surveys', AIP Conf. Ser., in press
- **M. Weiler**, C. Babusiaux, 2008, 'Simulating Charge Transfer Inefficiency Effects on Future Gaia Data', Proc. Sf2A 2008, Paris
- **D. Oszkiewicz**, K. Muinonen, S. Mouret, M. Granvik, J. Virtanen, 2008, 'Markov-Chain Monte Carlo methods for asteroid orbit computation', Proc. ACM 2008, p.8221O

Publications (DPAC technical notes) (co-)authored by fellows

- **A. Bombrun**, 2008, 'Helmert blocking algebra in ODAS', GAIA-C3-TN-ARI-APB-002-01
- **A. Bombrun**, 2008, 'Sparseness structure of the Gaia least-square problem and the (non)feasibility of a direct method', GAIA-C3-TN-ARI-APB-001-02
- **B. Holl**, 2008, 'Mean CCD-transit intervals estimated from cumulative star densities', GAIA-C3-TN-LU-BH-001-01
- **T. Prod'homme**, 2008, 'Deep Level Transient Spectroscopy technique for characterizing CCD trap parameters' (draft)
- **D. Risquez**, 2008, 'Gaia Attitude Simulation: Solar Radiation' (draft)
- **M. Váradi**, L. Eyer, N. Mowlavi, 2008, 'S.V.D: Small Amplitude Periodic Variables Software Requirement Specification', GAIA-C7-SP-GEN-MV-001
- **M. Váradi**, L. Eyer, N. Mowlavi, 2008, 'S.V.D: Short Periods Software Requirements Specification', GAIA-C7-SP-GEN-LE-009
- **M. Weiler**, C. Babusiaux, 2007, 'Analysis of Trailing Charges after Charge Injection', GAIA-C2-TN-OPM-MW-001
- C. Babusiaux, P. Sartoretti, N. Leclerc, F. Chereau, **M. Weiler**, 2008, 'The Gaia Instrument and Basic Image Simulator GIBIS 4.0 - User Guide', GAIA-C2-SP-OPM-CB-003-06
- **M. Weiler**, C. Babusiaux, 2008, 'Simulation of CTI effects with GIBIS - First Assessment Report', GAIA-C2-TN-OPM-MW-002